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seeds can be obtained. It is not of course very accurate or strictly quantitative, but it is at least approximate, and suitable for comparisons, say between living and dead seeds.

The dials of these scales, as obtained in this country, are graduated in ounces, but it is not difficult to substitute a paste-board dial and regraduate it in grammes by means of weights placed on the scale pans. This is of course preferable. The construction of these scales is so simple that there is no reason why a home-made and weaker spring could not be substituted for the one provided, and in such a manner an apparatus capable of more delicate adjustment could be obtained. With a more sensitive balance the force exerted by the downward growth of the root tip of *Vicia Faba* could be recorded.

THE RARE MOSSES OF BASHBISH FALLS

BY ELIZABETH G. BRITTON

Bashbish Falls may be reached from the Copake station of the Harlem Railroad, by a short walk, and are about one hundred miles from New York City. They are situated in a picturesque ravine with steep walls of rock and wooded slopes surrounding them. Many interesting mosses have been collected in the two expeditions which I have made to this locality, the rarest of which is *Anomobryum concinnatum*, this being the third station recorded for this species in the State. *Didymodon riparius* was collected by Mr. Williams in the stream above the Falls and on the wet cliffs were found *Didymodon rubellus*, associated with *Gymnostomum rupestre*, *Amphoridium Lapponicum*, and *Myurella Careyana*, all rare species for this region, but finding congenial moisture and shade in this sheltered ravine. *Homalia Jamesii*, *Porotrichum Allegheniense*, *Pogonatum alpinum* and *Forsströmia trichomitria* growing on wet rocks, were also collected above the Falls, and the slopes on the south side yielded *Hylocomium brevirostre* and *Dicranella heteromalla* with curved pedicels. Fine fruiting specimens of *Bryum proliferum* were also found in the region.